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# NOTICE OF ALLOWANCE AND FEE(S) DUE

22801

7590

05/13/2008

LEE & HAYES PLLC 421 W RIVERSIDE AVENUE SUITE 500 SPOKANE, WA 99201 EXAMINER

MOTSINGER, SEAN T

ART UNIT PAPER NUMBER

2624

DATE MAILED: 05/13/2008

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	10/676.519	09/30/2003	Yu-Fei Ma	MS1-1640US	8301

TITLE OF INVENTION: CONTRAST-BASED IMAGE ATTENTION ANALYSIS FRAMEWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/13/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further indicated unless correct maintenance fee notifications.	correspondence includir ted below or directed oth ations.	ng the Patent, advance of herwise in Block 1, by (a	rders and notification a) specifying a new c	of m orres	pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	corresp rate "Fl	ondence address as EE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)  22801 7590 05/13/2008					Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, make its own certificate of mailing or transmission.					
LEE & HAYE 421 W RIVERS SPOKANE, WA	ES PLLC SIDE AVENUE SUI			State	eby certify that thes Postal Service weeksed to the Mail	is Fee( ith suf Stop	e of Mailing or Trans s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d	g deposit st class r above,	ted with the United nail in an envelope or being facsimile	
									(Depositor's name)	
									(Signature)	
									(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONF	TRMATION NO.	
10/676,519 TITLE OF INVENTION	09/30/2003 N: CONTRAST-BASED	IMAGE ATTENTION A	Yu-Fei Ma ANALYSIS FRAMEW	ORK	:		MS1-1640US		8301	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE		DATE DUE	
nonprovisional	NO	\$1440	\$300		\$0		\$1740		08/13/2008	
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	3						
MOTSING	ER, SEAN T	2624	382-162000							
CFR 1.363).  Change of corresp Address form PTO/S  "Fee Address" inc PTO/SB/47; Rev 03-t Number is required.  3. ASSIGNEE NAME A PLEASE NOTE: Un	condence address or indication condence address (or Cha B/122) attached.  dication (or "Fee Address' 02 or more recent) attached.  AND RESIDENCE DATA aless an assignee is identith in 37 CFR 3.11. Comp	nge of Correspondence  Indication form ed. Use of a Customer  TO BE PRINTED ON This ified below, no assignee	data will appear on t	ip to rnativ single or a attor Il be p or typ	3 registered patenelly, firm (having as a gent) and the nameneys or agents. If orinted.  e) tent. If an assign	membes of u	er a 2 p to le is 3	ocument	has been filed for	
4a. The following fee(s)  Issue Fee  Publication Fee (1)	riate assignee category or	4l permitted)	b. Payment of Fee(s): (  A check is enclos  Payment by credi  The Director is he	(Pleased.	Individual	ny previsa is attage the	on or other private groviously paid issue fee the ched.	shown a	above)	
a. Applicant claim  NOTE: The Issue Fee ar	ntus (from status indicated ns SMALL ENTITY statu nd Publication Fee (if req records of the United Sta	us. See 37 CFR 1.27.	☐ b. Applicant is not	o long	er claiming SMAI	L EN	ΓΙΤΥ status. See 37 Cl	FR 1.27(	(g)(2).	
interest as snown by the	records of the Officed Sta	ics raicht and Trauemark	COHICE.							
Authorized Signature	·				Date					
Typed or printed name					Registration N	o				
an application. Confiden	nation is required by 37 C titality is governed by 35 d application form to the tions for reducing this but Virginia 22313-1450. DC 313-1450.	U.S.C. 122 and 37 CFR	1.14. This collection i	is esti	mated to take 12 i	ninutes	to complete, including	ig gather	ring, preparing, and	

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22801 75	90 05/13/2008		EXAM	INER			
LEE & HAYES	PLLC		MOTSINGER, SEAN T				
	E AVENUE SUITE 50	ART UNIT PAPER NUMBER					
SPOKANE, WA 9	9201		2624				
		DATE MAILED: 05/13/2008					

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 806 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 806 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/676,519	MA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	SEAN MOTSINGER	2624	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85; NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is sufficient in sufficiency.	this application. If not included nication will be mailed in due course. <b>1</b>	
1. This communication is responsive to 1/25/2008.			
2. ☑ The allowed claim(s) is/are <u>1-14 and 16-26</u> .			
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority u</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> </ul>	e been received.		
3. ☐ Copies of the certified copies of the priority do	• •		the
International Bureau (PCT Rule 17.2(a)).	ocuments have been received	III tilis fiational stage application from	li IC
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv	MENT of this application.  nitted. Note the attached EXA	MINER'S AMENDMENT or NOTICE C	
5. CORRECTED DRAWINGS ( as "replacement sheets") mu	st be submitted		
(a) ☐ including changes required by the Notice of Draftspers		( PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		(11223) 5	
(b) ☐ including changes required by the attached Examiner  Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1	's Amendment / Comment or		
each sheet. Replacement sheet(s) should be labeled as such in	the header according to 37 CFF	R 1.121(d).	
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT</li> </ol>			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 ☐ Notice of Info	ormal Patent Application	
Notice of Preferences Gled (1 10-032)     Notice of Draftperson's Patent Drawing Review (PTO-948)		mmary (PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No./N	Mail Date Amendment/Comment	
Paper No./Mail Date <u>1/25/2008</u> 4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allowance	
of Biological Material	9. 🔲 Other		

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### Reasons for Allowance

Claims 1-14, 16-26 allowed. Claims 1-14, 16-26 is because they contain the language "performing a fuzzy growing operation to extract attended areas from the contrast-based saliency map, the fuzzy growing operation comprising: partitioning the contrast-based saliency map into two mutually exclusive areas as a function of classes of pixels comprising attended and unattended pixel areas; selecting seeds to for the fuzzy growing operation according to a set of criteria such that a seed has a local maximum contrast with respect to other regional perception units and the seed belongs to an attended area; grouping pixels in the contrast-based saliency map with gray levels that satisfy criteria that indicate attended as compared to unattended areas; and iteratively growing the attended area by using grouped pixel as seeds in subsequent fuzzy growth operations until no candidates of the perception units can be grouped." While iterative region growing based on seeds is well known the art of record (see "Seeded region growing" Adams, R.; Bischof, L.; Pattern Analysis and Machine Intelligence, IEEE Transactions on Volume 16, Issue 6, June 1994 Page(s):641 – 647, it is not combinable with Warnik in this case because Warnick would not be seeded at a "point of maximum contrast" as required by the claims.

#### Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to SEAN MOTSINGER whose telephone number is (571)270-1237. The examiner can normally be reached on 9-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on (571)272-7453. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Motsinger 4/25/2008

/Bhavesh M Mehta/

Supervisory Patent Examiner, Art Unit 2624